

SG95

Similar to ABS – transparent with optical properties

Physical Properties	
Colour	Clear/Transparent
Pigmentable	Yes

Mechanical Properties				
Hardness	Shore A/D	@ 23°C	82D	TEST/ISO
		@ 60°C	77D	
		@ 80°C	74D	
Flexural Strength (MPa)			88,6	178
Flexural Modulus (MPa)			2195	
Tensile Strength (MPa)			2521	180
Tensile Modulus (MPa)			54	527
Izod Impact (Kj/m ²)			8,9	180
Elongation Break (%)			12	527

Thermal & Specific Properties		
Thermal Conductivity (W/mK)	0,208	BS874
Heat Deflection Temperature (°C) (Test piece 110 x 12.7 x 6.4mm)	72	
Yield Strength (MPa)	64,2	R527
Elongation Yield (%)	6	

Optical Data	
Refractive Index	1,51
Transmissivity	88,1
Diffused lights	0,9
Paralleled lights	87,2

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